Section 1. Registration Information

Source Identification

Facility Name:	Diversified CPC International, Inc.
Parent Company #1 Name:	
Parent Company #2 Name:	

Submission and Acceptance

Submission Type:	Re-submission
Subsequent RMP Submission Reason:	Voluntary update (not described by any of the above reasons)
Description:	
Receipt Date:	01-Jul-2022
Postmark Date:	01-Jul-2022
Next Due Date:	01-Jul-2027
Completeness Check Date:	01-Jul-2022
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	Yes

Facility Identification

EPA Facility Identifier:	1000 0013 5524
Other EPA Systems Facility ID:	
Facility Registry System ID:	

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	45056082
Parent Company #1 DUNS:	
Parent Company #2 DUNS:	

Facility Location Address

Street 1:	189 Houses Corner Rd
Street 2:	
City:	Sparta
State:	NEW JERSEY
ZIP:	07871
ZIP4:	
County:	SUSSEX

Facility Latitude and Longitude

Latitude (decimal):	41.064
Longitude (decimal):	-074.669
Lat/Long Method:	Address Matching - House Number
Lat/Long Description:	Administrative Building
Horizontal Accuracy Measure:	20
Horizontal Reference Datum Name:	North American Datum of 1983

Source Map Scale Number:

Owner or Operator

Operator Name:	Diversified CPC International, Inc.
Operator Phone:	(973) 383-7869

Mailing Address

Operator Street 1:	189 Houses Corner Rd
Operator Street 2:	
Operator City:	Sparta
Operator State:	NEW JERSEY
Operator ZIP:	07871
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person:	William A. Frauenheim, III
RMP Title of Person or Position:	Vice President, Operations
RMP E-mail Address:	bfrauenheim@diversifiedcpc.com

Emergency Contact

Emergency Contact Name:	Ben Green
Emergency Contact Title:	Plant Manager
Emergency Contact Phone:	(973) 383-7869
Emergency Contact 24-Hour Phone:	(815) 922-1805
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	bgreen@diversifiedcpc.com

Other Points of Contact

Facility or Parent Company E-mail Address:	bfrauenheim@diversifiedcpc.com
Facility Public Contact Phone:	(973) 383-7869
Facility or Parent Company WWW Homepage Address:	

Local Emergency Planning Committee

LEPC:	Sussex County OEM

Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site:	5
FTE Claimed as CBI:	

Covered By

OSHA PSM :	Yes
EPCRA 302 :	

CAA Title V:
Air Operating Permit ID:

OSHA Ranking

OSHA Star or Merit Ranking:

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	07-Jun-2022
Last Safety Inspection Performed By an External Agency:	State environmental agency

Predictive Filing

Did this RMP involve predictive filing?:

Preparer Information

Preparer Name:	Bill Frauenheim
Preparer Phone:	(815) 424-2003
Preparer Street 1:	24338 West Durkee Road
Preparer Street 2:	
Preparer City:	Channahon
Preparer State:	ILLINOIS
Preparer ZIP:	60410
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

Confidential Business Information (CBI)

CBI Claimed:
Substantiation Provided:
Unsanitized RMP Provided:

Reportable Accidents

Reportable Accidents: See Section 6. Accident History below to determine if there were any accidents reported for this RMP.

Process Chemicals

Process ID:	1000125657
Description:	Transfer, Storage & Blend
Process Chemical ID:	1000157036
Program Level:	Program Level 3 process
Chemical Name:	Methyl ether [Methane, oxybis-]
CAS Number:	115-10-6
Quantity (lbs):	38445
CBI Claimed:	
Flammable/Toxic:	Flammable

Process ID:	1000125657
Description:	Transfer, Storage & Blend
Process Chemical ID:	1000157037
Program Level:	Program Level 3 process
Chemical Name:	Propane
CAS Number:	74-98-6
Quantity (lbs):	188178
CBI Claimed:	
Flammable/Toxic:	Flammable

Process ID:	1000125657
Description:	Transfer, Storage & Blend
Process Chemical ID:	1000157038
Program Level:	Program Level 3 process
Chemical Name:	Isobutane [Propane, 2-methyl]
CAS Number:	75-28-5
Quantity (lbs):	94000
CBI Claimed:	
Flammable/Toxic:	Flammable

Process ID:	1000125657
Description:	Transfer, Storage & Blend
Process Chemical ID:	1000157039
Program Level:	Program Level 3 process
Chemical Name:	Butane
CAS Number:	106-97-8
Quantity (lbs):	93885
CBI Claimed:	
Flammable/Toxic:	Flammable

Process ID:	1000125657
Description:	Transfer, Storage & Blend
Process Chemical ID:	1000157040
Program Level:	Program Level 3 process
Chemical Name:	Difluoroethane [Ethane, 1,1-difluoro-]
CAS Number:	75-37-6
Quantity (lbs):	65836
CBI Claimed:	
Flammable/Toxic:	Flammable

Process NAICS

Process ID:	1000125657
Process NAICS ID:	1000127050
Program Level:	Program Level 3 process
NAICS Code:	32512

NAICS Description:	Industrial Gas Manufacturing

Section 2. Toxics: Worst Case

No records found.

Section 3. Toxics: Alternative Release

No records found.

Section 4. Flammables: Worst Case

Flammable Worst ID: 1000076886

Model Used:	EPA's RMP*Comp(TM)
Endpoint used:	1 PSI

Passive Mitigation Considered

Blast Walls:	
Other Type:	

Section 5. Flammables: Alternative Release

Flammable Alter ID: 1000072021

Model Used:	EPA's RMP*Comp(TM)

Passive Mitigation Considered

Dikes:	
Fire Walls:	
Blast Walls:	
Enclosures:	
Other Type:	

Active Mitigation Considered

Sprinkler System:	
Deluge System:	
Water Curtain:	
Excess Flow Valve:	Yes
Other Type:	Water Cannons

Section 6. Accident History

No records found.

Section 7. Program Level 3

Description

Transfer, Storage & Blend

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000135680
Chemical Name:	Propane
Flammable/Toxic:	Flammable
CAS Number:	74-98-6
Process ID:	1000125657
Description:	Transfer, Storage & Blend
Prevention Program Level 3 ID:	1000108286
NAICS Code:	32512

Prevention Program Chemical ID:	1000135679
Chemical Name:	Isobutane [Propane, 2-methyl]
Flammable/Toxic:	Flammable
CAS Number:	75-28-5
Process ID:	1000125657
Description:	Transfer, Storage & Blend
Prevention Program Level 3 ID:	1000108286
NAICS Code:	32512

Prevention Program Chemical ID:	1000135677
Chemical Name:	Difluoroethane [Ethane, 1,1-difluoro-]
Flammable/Toxic:	Flammable
CAS Number:	75-37-6
Process ID:	1000125657
Description:	Transfer, Storage & Blend
Prevention Program Level 3 ID:	1000108286
NAICS Code:	32512

Prevention Program Chemical ID:	1000135678
Chemical Name:	Butane
Flammable/Toxic:	Flammable
CAS Number:	106-97-8
Process ID:	1000125657
Description:	Transfer, Storage & Blend
Prevention Program Level 3 ID:	1000108286
NAICS Code:	32512

Prevention Program Chemical ID:	1000135681
Chemical Name:	Methyl ether [Methane, oxybis-]
Flammable/Toxic:	Flammable
CAS Number:	115-10-6

Process ID:	1000125657
Description:	Transfer, Storage & Blend
Prevention Program Level 3 ID:	1000108286
NAICS Code:	32512

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	07-Jun-2022

Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	16-Aug-2019

The Technique Used

What If:	
Checklist:	
What If/Checklist:	Yes
HAZOP:	
Failure Mode and Effects Analysis:	
Fault Tree Analysis:	
Other Technique Used:	
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	16-Aug-2019

Major Hazards Identified

Toxic Release:	
Fire:	Yes
Explosion:	Yes
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	Yes
Contamination:	
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	
Earthquake:	Yes
Floods (Flood Plain):	
Tornado:	
Hurricanes:	Yes
Other Major Hazard Identified:	

Process Controls in Use

Vents:	Yes
Relief Valves:	Yes
Check Valves:	Yes
Scrubbers:	
Flares:	
Manual Shutoffs:	Yes
Automatic Shutoffs:	Yes
Interlocks:	Yes
Alarms and Procedures:	Yes
Keyed Bypass:	
Emergency Air Supply:	
Emergency Power:	
Backup Pump:	
Grounding Equipment:	Yes
Inhibitor Addition:	
Rupture Disks:	
Excess Flow Device:	Yes
Quench System:	
Purge System:	
None:	
Other Process Control in Use:	

Mitigation Systems in Use

Sprinkler System:	
Dikes:	
Fire Walls:	
Blast Walls:	
Deluge System:	
Water Curtain:	
Enclosure:	
Neutralization:	
None:	
Other Mitigation System in Use:	Water Cannons

Monitoring/Detection Systems in Use

Process Area Detectors:	Yes
Perimeter Monitors:	
None:	
Other Monitoring/Detection System in Use:	

Changes Since Last PHA Update

Reduction in Chemical Inventory:	
Increase in Chemical Inventory:	
Change Process Parameters:	
Installation of Process Controls:	
Installation of Process Detection Systems:	
Installation of Perimeter Monitoring Systems:	
Installation of Mitigation Systems:	
None Recommended:	Yes
None:	

Other Changes Since Last PHA or PHA Update:

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures):	18-Feb-2022

Training

Training Revision Date (The date of the most recent review or revision of training programs):	18-May-2021

The Type of Training Provided

Classroom:	Yes
On the Job:	Yes
Other Training:	

The Type of Competency Testing Used

Written Tests:	Yes
Oral Tests:	
Demonstration:	Yes
Observation:	Yes
Other Type of Competency Testing Used:	

Maintenance

Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures):	11-May-2022
Equipment Inspection Date (The date of the most recent equipment inspection or test):	20-May-2022
Equipment Tested (Equipment most recently inspected or tested):	hand valves at transport loading bulkheads

Management of Change

Change Management Date (The date of the most recent change that triggered management of change procedures):	05-Nov-2021
Change Management Revision Date (The date of the most recent review or revision of management of change procedures):	23-Jun-2020

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review):	16-Aug-2021

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit):	07-Jun-2022
Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit):	30-Aug-2022

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):	06-Jul-2021
Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):	06-Jul-2021

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans):	14-Jun-2019

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures):	11-Oct-2019

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures):	19-Dec-2019
Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance):	16-Mar-2022

Confidential Business Information

CBI Claimed:

Section 8. Program Level 2

No records found.

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?):	Yes
Facility Plan (Does facility have its own written emergency response plan?):	Yes
Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?):	Yes
Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?):	Yes
Healthcare (Does facility's ER plan include information on emergency health care?):	Yes

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan):	08-Jun-2022

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees):	08-Nov-2021

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated):	Sparta Fire Department
Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated):	(973) 729-6121

Subject to

OSHA Regulations at 29 CFR 1910.38:	Yes
OSHA Regulations at 29 CFR 1910.120:	
Clean Water Regulations at 40 CFR 112:	
RCRA Regulations at CFR 264, 265, and 279.52:	
OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:	
State EPCRA Rules or Laws:	Yes
Other (Specify):	

Executive Summary

Executive Summary

1. Accidental Release Prevention and Emergency Response Policies

Diversified CPC International, Inc. [DCPC] is strongly committed to employee, public and environmental safety. Our comprehensive accidental release prevention program encompasses areas such as design, installation, operating procedures, maintenance, and employee training. We implement appropriate controls to prevent potential releases of regulated substances.

2. Stationary Source and the Regulated Substances Handled

DCPC is a leading manufacturer of aerosol propellants and refrigerant gases. The facility receives chemicals in tank trucks and rail cars that are offloaded into various storage tanks. The chemicals are processed through molecular sieve columns and mercury removal units, if necessary, to higher purity levels and specifications. Chemicals may be metered and blended to customer specifications, if required. Outbound shipments may be made via tank trucks or rail cars.

The following 5 regulated [flammables] chemicals are present at the Sparta facility:
Propane, n-Butane, Isobutane, Difluoroethane and Dimethyl Ether [aka Methyl Ether].

3. The General Accidental Release Prevention Program and the Chemical-Specific Prevention Steps

Our facility has taken the necessary steps to comply with the accidental release prevention requirements under 40 CFR Part 68. The facility was designed and constructed in accordance with NFPA-58, 1967 Edition. The following sections briefly describe the elements of the release prevention program that are in place.

Process Safety Information
DCPC maintains a detailed record of process safety information that describes the chemical hazards, operating parameters and equipment designs associated with all processes.

Process Hazard Analysis
Our facility conducts comprehensive studies to ensure that hazards associated with our processes are identified and controlled efficiently. The methodology used to carry out these analyses is What If / Checklist Combined. The studies are undertaken by a team of qualified personnel with expertise in engineering and process operations and are revalidated at a regular interval of 5 years. Any findings related to the hazard analysis are addressed in a timely manner.

Operating Procedures
For the purposes of safely conducting activities at the plant, DCPC maintains written operating procedures. These procedures address various modes of operation such as initial startup, normal operations, temporary operations, emergency shutdown, emergency operations, normal shutdown and startup after a turnaround. The information is regularly reviewed and is readily accessible to operators involved in the processes.

Training
DCPC has a comprehensive training program in place to ensure that employees are competent in the operating procedures associated with these processes. Refresher training is provided at least every 3 years and more frequently as needed.

Mechanical Integrity
DCPC conducts maintenance checks on process equipment which includes pressure vessels, storage tanks, piping systems, relief and vent systems, emergency shutdown systems, controls and pumps. Maintenance operations are carried out by qualified and trained personnel. Furthermore, these personnel are offered specialized training, as needed. Deficiencies identified by the maintenance checks are corrected in a timely manner.

Management of Change
Written procedures are in place at DCPC to manage changes in process chemicals, technology, equipment and procedures. Process operators, maintenance personnel or any other employee whose job tasks are affected by a modification in process

conditions are promptly made aware of and offered training to deal with the modification.

Pre-startup Safety Reviews
Pre-startup safety reviews related to new processes and modifications are conducted routinely at DCPC. These reviews are conducted to confirm that construction, equipment, operating and maintenance procedures are suitable for safe startup prior to placing equipment into operation.

Compliance Audits
DCPC conducts audits on a regular basis to determine whether the provisions set out under the RMP rule are being implemented. The USEPA RMP regulations require Compliance Audits on a Triennial basis [once every three years]. However, at the Sparta facility, Compliance Audits are conducted annually based on more stringent NJDEP TCPA requirements. Corresponding corrective actions, if necessary, are promptly undertaken and completed.

Incident Investigation
DCPC has robust incident investigation procedures in place for events that result in, or has the potential for a catastrophic release of a regulated substance. These investigations would identify the situation leading to the incident as well as corrective actions to prevent future recurrence. Policies are in place for all reports to be retained for a minimum of 5 years.

Employee Participation
DCPC firmly believes that process safety management and accident prevention is a team effort. Company employees are strongly encouraged to express their views concerning safety and accident prevention issues and to recommend improvements. In addition, DCPC employees have access to all applicable elements of Process Safety Management information, created as part of the facility's implementation of the RMP rule, including information resulting from process hazard analyses [PHAs].

Hot Work Permit
DCPC issues hot work permits for hot work operations conducted on or near a covered process. The permits document that the fire prevention and protection requirements of 29 CFR 1920.252 are implemented prior to the beginning of hot work operations and all the way through the completion of the job.

Contractor Safety
DCPC occasionally hires contractors to conduct specialized maintenance and construction activities. Prior to selection, a thorough evaluation of safety performance of the contractor is carried out. DCPC has a strict policy of informing the contractors of known potential hazards related to the contractor's work and the processes. Contractors are also informed of all the procedures for emergency events.

4. Five-year Accident History

Due to our comprehensive programs and diligent implementation, DCPC has maintained an excellent record of no accidental releases over the past 5 years.

5. Emergency Response Plan

The Emergency Response Plan follows the requirements of 40 CFR 68.95, 29 CFR 1910.38 and NJAC 7:31 - 5.2, including evacuations, notification of local emergency response agencies and the public. Sussex County is the Local Emergency Planning Committee [LEPC] with which our Emergency Response Plan has been coordinated and verified.